

Form PTO-1449

**INFORMATION DISCLOSURE CITATION**  
IN AN APPLICATION

(Use several sheets if necessary)

**DOCKET NUMBER (Optional)**  
MTV-018.02(20021-1802)

**Application Number**  
10/033,175

**Applicant**  
Seeberger et al.

**Filing Date**  
November 01, 2001

**Group Art Unit**  
1623

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
dl	AA 5,095,123	03/10/92	Sabesan	549	222	11/30/90
	AB 5,369,017	1/29/94	Wong et al.	435	68.1	02/04/94
	AC 5,374,655	12/20/94	Kashem et al.	514	540	07/14/92
	AD 5,516,665	05/14/96	Wong	435	97	09/13/93
	AE 5,716,812	02/10/98	Withers et al.	435	74	12/12/95
	AF 5,721,338	02/24/98	Imperiali et al.	530	317	12/07/95
	AG 5,728,554	03/17/98	Bayer et al.	435	97	04/11/95
	AH 5,759,823	06/02/98	Wong et al.	435	97	06/07/95
	AI 5,811,539	09/22/98	Seiffert-Stoeriko et al.	536	26.8	08/30/95
	AJ 5,922,577	07/13/99	Defrees et al.	435	97	04/10/96
	AK 5,952,203	09/14/99	Withers et al.	435	97	04/11/97
	AL 5,952,454	09/14/99	Kovac et al.	528	332	10/30/98
	AM 5,994,502	11/30/99	Imperiali et al.	530	344	08/19/97
	AN 6,013,779	01/11/00	Wong et al.	536	18.6	03/18/97
	AO 6,022,713	02/08/00	Noguchi et al.	435	89	11/14/97
	AP 6,030,815	02/29/00	Defrees et al.	435	97	04/10/96
dl	AQ 6,077,695	06/20/00	Nilsson	435	84	07/13/95

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
dl	AR WO 96/24683	08/15/96	PCT	-	-		X
	AS WO 96/32491	10/17/96	PCT	-	-		X
	AT WO 98/46784	10/22/98	PCT	-	-		X
	AU WO 99/ 28491	06/10/99	PCT	-	-		X
	AV WO 99/47694	09/23/99	PCT	-	-		X
	AW WO 99/47695	09/23/99	PCT	-	-		X
dl	AX WO 00/20428	04/13/00	PCT	-	-		X

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

dl	AY	Hashimoto et al.; "Oligosaccharide Synthesis Based on Glycosyl Donors and Acceptors Carrying Phosphorus-Containing Leaving Groups", Tetrahedron Letters 38 (29): 5181-5184 (1997).
dl	AZ	Morales et al.; "Carbohydrate- Carbohydrate Interactions in Water with Glycophanes as Model Systems", J. Org. Chem. 63: 9212-9222 (1998).

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du	BA	Torgov et al., "Synthesis of Oligosaccharide Fragments of the Repeating Unit of <i>Neisseria</i> Kentucky O-specific Polysaccharide and Conversion of the Oligosaccharides into the Glycosyl Phosphates", Carbohydrate Research 161 : 97-112 (1987).
	BB	Plante and Seeberger ; " Anomeric Phosphorodithioates as Novel Glycosylating Agents", J. Org. Chem. 63 : 9150-9151 (1998).
	BC	Seeberger et al., "Synthesis of Biologically Important Oligosaccharides and Other Glycoconjugates by the Glycal Assembly Method", Aldrichimica Acta 30 (3): 75-92 (1997).
	BD	Zheng et al., " Solid Support Oligosaccharide Synthesis : Construction of $\beta$ -Linked Oligosaccharides by Coupling of Glycal Derived Thioethyl Glycosyl Donors", J. Org. Chem. 63:1126-1130 (1998).
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EXAMINER		DATE CONSIDERED
du		2/20/03
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Form PTO-1449		Docket Number (Optional) MTV-018.0		Application Number 10/033,175		
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)		Applicant		Filing Date		
		Group Art Unit 1623				
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
de	BE 4,785,084	11/15/88	Warren et al.	536	17.9	07/31/86
de	BF 5,095,123	03/10/92	Sabesan	549	222	11/30/90
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER					
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
de	BG	Chen, et al. 'Glycosyl Phosphoramidimides As Versatile Glycosyl Donors', Heterocycles, 45(7): 1247-1250 (1997)				
	BH	Hashimoto, et al.; "Armed Diarmed" Glycosidation Strategy Based on Glycosyl Donors and Acceptors Carrying Phosphoroamidate as a Leaving Group: A Convergent Synthesis of Globotriaosylceramide", Tetrahedron Letters 38 (52): 8969-8972 (1997).				
	BI	Hashimoto, et al.; "A Rapid and Efficient Synthesis of 1,3- trans- $\beta$ -Linked Glycosides via Benzyl- or Benzoyl-Protected Glycopyranosyl Phosphates", J. Chem. Soc. Chem. Commun. pp. 685-687 (1989).				
	BJ	Laupichler, et al.; "Convenient Iodonium-Promoted Stereoselective Synthesis of 2-Deoxy- $\alpha$ -glycosides by Use of S-(2-Deoxyglycosyl) Phosphorodithioates as Donors", Synthesis, pp.1133-1136 (November 1992).				
	BK	Liang, et al.; "Parallele Synthesis and Screening of a Solid Phase Carbohydrate Library", Science, 274 : 1520-1522 (November 29, 1996).				
	BL	Paulsen et al.; "Synthese Von DD-Heptosephosphaten als Substrate oder Potentielle Inhibitoren für die Heptose-Synthetase", Liebigs Ann. Chem. pp. 389-397 (1994)				
	BM	Plante and Seeberger; "Anomeric Phosphorodithioates as Novel Glycosylating Agents", J. Org. Chem. 63 : 9150-9151 (1998).				
	BN	Timmers, et al. "An Expeditious Route to Streptococci and Enterococci Glycolipids VLA Ring-Opening of 1,2 - Anhydrosugars", J. Carbohydrate Chemistry 17 (3): 471-487 (1998).				
de	BO	Watanabe, et al.; "Dibenzyl Phosphorofluoridate, A New Phosphorylating Agent", Tetrahedron Letters 29 (45) pp. 5763-5764 (1988).				
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